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|---|--|------------------------------|--------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | Complete if Known | |
| | | Application Number | 10/676,890 |
| | | Filing Date | September 30, 2003 |
| | | First Named Inventor | S. Jeyasingh |
| | | Group Art Unit | 2109 2111 |
| | | Examiner Name | Gopal C. Ray |
| Sheet 1 of 9 | | Attorney Docket No: 42P15884 | |

DEC 13 2004

US PATENT DOCUMENTS

| Examiner Initial * | USP Document Number | Publication Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|---------------------|------------------|---|---|
| GR | US-20010021969 | 09/13/2001 | Burger, Stephen G., et al. | |
| | US-20010027511 | 10/04/2001 | Wakabayashi, Masaki , et al. | |
| | US-20010027527 | 10/04/2001 | Khidekel, Yuri, et al. | |
| | US-20010037450 | 11/01/2001 | Metlitski, Evgueny A., et al. | |
| | US-20020007456 | 01/17/2002 | Peinado, Marcus, et al. | |
| | US-20020023032 | 02/21/2002 | Pearson, Siani L., et al. | |
| | US-20020147916 | 10/10/2002 | Strongin, Geoffrey S., et al. | |
| | US-20020166061 | 11/07/2002 | Falik, Ohad, et al. | |
| | US-20020169717 | 11/14/2002 | Challener, David C. | |
| | US-20030018892 | 01/23/2003 | Tello, Jose | |
| | US-20030074548 | 04/17/2003 | Cromer, Daryl C., et al. | |
| | US-20030115453 | 06/19/2003 | Grawrock, David W. | |
| | US-20030126442 | 07/03/2003 | Glew, Andrew F., et al. | |
| | US-20030126453 | 07/03/2003 | Glew, Andrew F., et al. | |
| | US-20030159056 | 08/21/2003 | Cromer, Daryl C., et al. | |
| | US-20030188179 | 10/02/2003 | Challener, David C., et al. | |
| | US-20030196085 | 10/16/2003 | Lampson, Butler W., et al. | |
| | US-20040117539 | 06/17/2004 | Bennett, Steve, et al. | |
| | US-3,699,532 | 10/17/1972 | Schaffer, Harry G., et al. | |
| | US-3,996,449 | 12/07/1976 | Attanasio, Clement R., et al. | |
| | US-4,037,214 | 07/09/1997 | Birney, Richard E., et al. | |
| | US-4,162,536 | 07/24/1979 | Morley, Richard E. | |
| | US-4,207,609 | 06/10/1980 | Luiz, Fernando A., et al. | |

EXAMINER

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Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

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| | | Group Art Unit | 2189 2111 |
| | | Examiner Name | <i>Gopal C. Ray</i> |
| Sheet 2 of 9 | | Attorney Docket No: 42P15884 | |

| | | | | |
|------------|--------------|------------|----------------------------------|--|
| <i>GCR</i> | US-4,247,905 | 01/27/1981 | Yoshida, Yukihiro, et al. | |
| | US-4,276,594 | 06/30/1981 | Morley, Richard E. | |
| | US-4,278,837 | 07/14/1981 | Best, Robert M. | |
| | US-4,307,447 | 12/22/1981 | Provanzano, Salvatore R., et al. | |
| | US-4,319,323 | 03/09/1982 | Ermolovich, Thomas R., et al. | |
| | US-4,347,565 | 08/31/1982 | Kaneda, Saburo, et al. | |
| | US-4,366,537 | 12/28/1982 | Heller, Andrew R., et al. | |
| | US-4,403,283 | 09/06/1983 | Myntti, Jon N., et al. | |
| | US-4,419,724 | 12/06/1983 | Branigin, Michael H., et al. | |
| | US-4,430,709 | 02/07/1984 | Schleupen, Richard , et al. | |
| | US-4,521,852 | 06/04/1985 | Guttag, Karl M. | |
| | US-4,571,672 | 02/18/1986 | Hatada, Minoru , et al. | |
| | US-4,621,318 | 11/04/1986 | Maeda, A. | |
| | US-4,759,064 | 07/19/1988 | Chaum, David L. | |
| | US-4,795,893 | 01/03/1989 | Ugon, Michael | |
| | US-4,802,084 | 01/31/1989 | Ikegaya, Hiroshi, et al. | |
| | US-4,825,052 | 04/25/1989 | Chemin, Francois, et al. | |
| | US-4,907,270 | 03/06/1990 | Hazard, Michel | |
| | US-4,907,272 | 03/06/1990 | Hazard, Michel | |
| | US-4,910,774 | 03/20/1990 | Barakat, Simon | |
| | US-4,975,836 | 12/04/1990 | Hirosawa, Toshio, et al. | |
| | US-5,007,082 | 04/09/1991 | Cummins, Mary T. | |
| | US-5,022,077 | 06/04/1991 | Bealkowski, Richard, et al. | |
| | US-5,075,842 | 12/24/1991 | Lai, Konrad K. | |
| | US-5,079,737 | 01/07/1992 | Hackbarth, Holden G. | |
| | US-5,187,802 | 02/16/1993 | Inoue, Taro , et al. | |
| | US-5,230,069 | 02/16/1993 | Breisford, David P., et al. | |
| | US-5,237,616 | 08/17/1993 | Abraham, Dennis G., et al. | |
| | US-5,255,379 | 03/08/1994 | Melo, Michael D. | |
| | US-5,287,363 | 02/15/1994 | Wolf, Paul I., et al. | |
| | US-5,293,424 | 03/08/1994 | Hotley, Thomas O., et al. | |
| | US-5,295,251 | 03/15/1994 | Wakui, Fujio, et al. | |
| | US-5,317,705 | 05/31/1994 | Gannon, Patrick M., et al. | |
| | US-5,319,760 | 06/07/1994 | Mason, Andrew H., et al. | |
| | US-5,361,375 | 11/01/1994 | Ogi, Yoshifumi | |
| | US-5,386,552 | 01/31/1995 | Garney, John L. | |
| | US-5,421,006 | 05/30/1995 | Jablon, David P., et al. | |
| | US-5,434,999 | 07/18/1995 | Goire, Christian, et al. | |
| | US-5,437,033 | 07/25/1995 | Inoue, Taro, et al. | |
| | US-5,442,645 | 08/15/1995 | Ugon, Michel, et al. | |
| | US-5,455,909 | 10/03/1995 | Blomgren, James S., et al. | |
| | US-5,459,867 | 10/17/1995 | Adams, Phillip M., et al. | |

EXAMINER

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|---|--|----------------------------------|---------------------|
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| | | Group Art Unit | 2189 2-111 |
| | | Examiner Name | <i>Gopal C. Ray</i> |
| Sheet 3 of 9 | | Attorney Docket No: 42P15884 | |

| | | | |
|------------|--------------|------------|---------------------------------|
| <i>GCR</i> | US-5,459,869 | 10/17/1995 | Spilo, Michael L. |
| | US-5,469,557 | 11/21/1995 | Salt, Tom, et al. |
| | US-5,473,692 | 12/05/1995 | Davis, Derek L. |
| | US-5,479,509 | 12/26/1995 | Ugon, Michael |
| | US-5,504,922 | 04/02/1996 | Seki, Yukihiro, et al. |
| | US-5,506,975 | 04/09/1996 | Onodera, Osama |
| | US-5,511,217 | 04/23/1996 | Nakajima, Atsushi, et al. |
| | US-5,522,075 | 05/28/1996 | Robinson, Paul T., et al. |
| | US-5,528,231 | 06/18/1996 | Patarin, Jacques |
| | US-5,533,126 | 07/02/1996 | Hazard, Michel, et al. |
| | US-5,555,385 | 09/10/1996 | Osisek, Damian L. |
| | US-5,555,414 | 09/10/1996 | Hough, Roger E., et al. |
| | US-5,560,013 | 09/24/1996 | Scalzi, Casper A., et al. |
| | US-5,564,040 | 10/08/1996 | Kubala, Jeffrey P. |
| | US-5,566,323 | 10/15/1996 | Ugon, Michel |
| | US-5,568,552 | 10/22/1996 | Davis, Derek L. |
| | US-5,574,936 | 11/12/1996 | Ryba, Edward G., et al. |
| | US-5,582,717 | 12/10/1996 | Di Santo, Dennis E. |
| | US-5,604,805 | 02/18/1997 | Brands, Stefanus A. |
| | US-5,606,617 | 02/25/1997 | Brands, Stefanus A. |
| | US-5,615,263 | 03/25/1997 | Takahashi, Richard J. |
| | US-5,628,022 | 05/06/1997 | Ueno, Masahiro, et al. |
| | US-5,633,929 | 05/27/1997 | Kaliski, Jr., Burton S. |
| | US-5,657,445 | 08/12/1997 | Pearce, John J. |
| | US-5,668,971 | 11/16/1997 | Neufeld, E. D. |
| | US-5,684,948 | 11/04/1997 | Johnson, James S., et al. |
| | US-5,706,469 | 01/06/1998 | Kobayashi, Souichi |
| | US-5,717,903 | 02/10/1998 | Bonola, Thomas J. |
| | US-5,720,609 | 02/24/1998 | Pfetterle, William C. |
| | US-5,721,222 | 02/24/1998 | Bernstein, Peter R., et al. |
| | US-5,729,760 | 03/17/1998 | Poisner, David I. |
| | US-5,737,604 | 04/07/1998 | Miller, David A., et al. |
| | US-5,737,760 | 08/07/1998 | Grimmer, Jr., George G., et al. |
| | US-5,740,178 | 04/14/1998 | Jacks, Steven A., et al. |
| | US-5,752,046 | 05/12/1998 | Oprescu, Florin et al. |
| | US-5,757,919 | 05/26/1998 | Herbert, Howard C., et al. |
| | US-5,764,969 | 06/09/1998 | Kahle, James A. |
| | US-5,796,835 | 08/18/1998 | Saada, Charles |
| | US-5,796,845 | 08/18/1998 | Serikawa, Mitsuhiro , et al. |
| | US-5,805,712 | 09/08/1998 | Davis, Derek L. |
| | US-5,809,546 | 09/15/1998 | Greenstein, Paul G., et al. |
| <i>V</i> | US-5,825,875 | 10/20/1998 | Ugon, Michel |
| <i>V</i> | US-5,825,880 | 10/20/1998 | Sudia, Frank W., et al. |

EXAMINER

Gopal C. Ray

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| | | Group Art Unit | 2109 2111 |
| | | Examiner Name | Gopal C. Ray |
| Sheet 4 of 9 | | Attorney Docket No: 42P15884 | |

| | | | |
|-----|--------------|------------|----------------------------------|
| GCR | US-5,835,594 | 11/10/1998 | Albrecht, Mark, et al. |
| | US-5,844,986 | 12/01/1998 | Davis, Derek L. |
| | US-5,852,717 | 12/22/1998 | Bhide, Chandrashekhar W., et al. |
| | US-5,854,913 | 12/29/1998 | Goetz, John W., et al. |
| | US-5,867,577 | 02/02/1999 | Patarin, Jacques |
| | US-5,872,994 | 02/16/1999 | Akiyama, Shin-Ichiro, et al. |
| | US-5,890,189 | 03/30/1999 | Nozue, Hiroshi , et al. |
| | US-5,900,606 | 05/04/1999 | Rigal, Vincent |
| | US-5,901,225 | 05/04/1999 | Ireton, Mark A., et al. |
| | US-5,903,752 | 05/11/1999 | Dingwall, Thomas J., et al. |
| | US-5,919,257 | 07/06/1999 | Trostle, Jonathan |
| | US-5,935,242 | 08/10/1999 | Madany, Peter W., et al. |
| | US-5,935,247 | 08/10/1999 | Pai, Hsin-Ying, et al. |
| | US-5,937,063 | 08/10/1999 | Davis, Derek L. |
| | US-5,944,821 | 08/31/1999 | Angelo, Michael F. |
| | US-5,953,502 | 09/14/1999 | Helbig, Sr., Walter A. |
| | US-5,956,408 | 09/21/1999 | Arnold, Todd W. |
| | US-5,970,147 | 10/19/1999 | Davis, Derek L., et al. |
| | US-5,978,475 | 11/02/1999 | Schneier, Bruce, et al. |
| | US-5,978,481 | 11/02/1999 | Ganesan, Ramanan V., et al. |
| | US-5,987,557 | 11/16/1999 | Ebrahim, Zahir |
| | US-6,014,745 | 01/11/2000 | Ashe, Vincent |
| | US-6,035,374 | 03/07/2000 | Panwar, Ramesh, et al. |
| | US-6,044,478 | 03/28/2000 | Green, Daniel W. |
| | US-6,055,637 | 04/25/2000 | Hudson, Jerome D., et al. |
| | US-6,058,478 | 05/02/2000 | Davis, Derek L. |
| | US-6,061,794 | 05/09/2000 | Angelo, Michael E. |
| | US-6,075,938 | 06/13/2000 | Bugnion, Edouard, et al. |
| | US-6,085,296 | 07/04/2000 | Karkhanis, Nitin Y., et al. |
| | US-6,088,262 | 07/11/2000 | Nasu, Hiroaki |
| | US-6,092,095 | 07/18/2000 | Maytal, Benjamin |
| | US-6,093,213 | 07/25/2000 | Favor, John G., et al. |
| | US-6,101,584 | 08/08/2000 | Satou, Mitsugu, et al. |
| | US-6,108,644 | 08/22/2000 | Goldschlag, David M., et al. |
| | US-6,115,816 | 09/05/2000 | Davis, Derek L. |
| | US-6,125,430 | 09/26/2000 | Noel, Karen L., et al. |
| | US-6,131,166 | 10/10/2000 | Wong-Isley, Becky |
| | US-6,148,379 | 11/14/2000 | Schimmel, Curt F. |
| | US-6,158,546 | 12/12/2000 | Hanson, Roger D., et al. |
| | US-6,173,417 | 01/09/2001 | Merrill, John W. |
| | US-6,175,924 | 01/16/2001 | Arnold, Todd W. |
| | US-6,175,925 | 01/16/2001 | Nardone, Joseph M., et al. |

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Sheet 5 of 9

Attorney Docket No: 42P15884

| | | | |
|------------|--------------|------------|-------------------------------|
| <i>CCR</i> | US-6,178,509 | 01/23/2001 | Nardone, Joseph M. |
| | US-6,182,089 | 01/30/2001 | Ganapathy, Narayanan , et al. |
| | US-6,188,257 | 02/13/2001 | Buer, Mark L. |
| | US-6,192,455 | 02/20/2001 | Begin, Zohar, et al. |
| | US-6,199,152 | 03/06/2001 | Kelly, Edmund J., et al. |
| | US-6,205,550 | 03/20/2001 | Nardone, Joseph M., et al. |
| | US-6,212,635 | 04/03/2001 | Reardon, David C. |
| | US-6,222,923 | 04/24/2001 | Schwenk, Joerg |
| | US-6,249,872 | 06/19/2001 | Wildgrube, Frank L., et al. |
| | US-6,252,650 | 06/26/2001 | Nakaumra, Kouji |
| | US-6,269,392 | 07/31/2001 | Cotichini, Christian, et al. |
| | US-6,272,533 | 08/07/2001 | Browne, Hendrik A., et al. |
| | US-6,272,637 | 08/07/2001 | Little, Wendell L., et al. |
| | US-6,275,933 | 08/14/2001 | Fine, Michael, et al. |
| | US-6,282,650 | 08/28/2001 | Davis, Derek L. |
| | US-6,282,651 | 08/28/2001 | Ashe, Vincent |
| | US-6,282,657 | 08/28/2001 | Kaplan, Michael M., et al. |
| | US-6,292,874 | 09/18/2001 | Barnett, Philip C. |
| | US-6,301,646 | 10/09/2001 | Hostetter, Matthew J. |
| | US-6,308,270 | 10/23/2001 | Guthery, Scott B., et al. |
| | US-6,314,409 | 11/06/2001 | Schneck, Paul B., et al. |
| | US-6,321,314 | 11/20/2001 | Van Dyke, Korbin S. |
| | US-6,327,652 | 12/04/2001 | England, Paul, et al. |
| | US-6,330,670 | 12/11/2001 | England, Paul, et al. |
| | US-6,339,815 | 01/15/2002 | Feng, Eugene |
| | US-6,339,816 | 01/12/2002 | Bausch, Jean |
| | US-6,357,004 | 03/12/2002 | Davis, Derek L. |
| | US-6,363,485 | 03/26/2002 | Adams, Carlisle |
| | US-6,374,286 | 04/16/2002 | Gee, John K., et al. |
| | US-6,374,317 | 04/16/2002 | Ajanovic, Jasmin, et al. |
| | US-6,378,068 | 04/23/2002 | Foster, Mark J. |
| | US-6,378,072 | 04/23/2002 | Collins, Thomas , et al. |
| | US-6,389,537 | 05/14/2002 | Davis, Derek L., et al. |
| | US-6,397,242 | 05/28/2002 | Devine, Scott W., et al. |
| | US-6,397,379 | 05/28/2002 | Yates, Jr., John S., et al. |
| | US-6,412,035 | 06/25/2002 | Webber, Victor |
| | US-6,421,702 | 07/16/2002 | Gulick, Dale E. |
| | US-6,435,416 | 08/20/2002 | Slassi, Tarik |
| | US-6,445,797 | 09/03/2002 | McGough, Paul, et al. |
| | US-6,463,535 | 10/08/2002 | Drews, Paul C., et al. |
| | US-6,463,537 | 10/08/2002 | Tello, Jose A. |
| <i>V</i> | US-6,499,123 | 12/24/2002 | McFarland, Harold L., et al. |
| | US-6,505,279 | 01/07/2003 | Phillips, Gary, et al. |

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| <i>CCR</i> | US-6,507,904 | 01/14/2003 | Ellison, Carl M., et al. | |
| | US-6,529,909 | 03/04/2003 | Bowman-Amuah, Michel K. | |
| | US-6,535,988 | 03/18/2003 | Poisner, David L. | |
| | US-6,557,104 | 04/29/2003 | Vu, Son T., et al. | |
| | US-6,560,627 | 05/06/2003 | McDonald, Michael F., et al. | |
| | US-6,609,199 | 08/19/2003 | DeTreville, John | |
| | US-6,615,278 | 09/02/2003 | Curtis, Bryce A. | |
| | US-6,633,963 | 10/14/2003 | Ellison, Carl M., et al. | |
| | US-6,633,981 | 10/14/2003 | Davis, Derek L. | |
| | US-6,651,171 | 11/18/2003 | England, Paul, et al. | |
| <input checked="" type="checkbox"/> | US-6,678,825 | 01/13/2004 | Ellison, Carl M., et al. | |
| | US-6,684,326 | 01/27/2004 | Cromer, Daryl C., et al. | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Foreign Document No | Publication Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ² |
|-------------------------------------|---------------------|------------------|---|---|----------------|
| <i>CCR</i> | DE-DE4217444 | 12/03/1992 | Toyohisa, Imada, et al. | | |
| | EP-0602867 | 06/22/1994 | Protheroe, Robert L., et al. | | |
| | EP-EP0473913 | 03/11/1992 | Farrell, Joel A. | | |
| | EP-EP0600112 | 06/08/1994 | Wimmer, Manfred D. | | |
| | EP-EP0892521 | 01/20/1999 | Zamek, Steven | | |
| | EP-EP0930567 | 07/21/1999 | Brewer, Jason M. | | |
| | EP-EP0961193 | 12/01/1999 | Laczko, Sr., Frank L. | | |
| | EP-EP0965902 | 12/22/1999 | Force, Gordon, et al. | | |
| | EP-EP1030237 | 08/23/2000 | Proudler, John, et al. | | |
| | EP-EP1055989 | 11/29/2000 | Proudler, Graeme J., et al. | | |
| | EP-EP1056014 | 11/29/2000 | Proudler, Graeme J., et al. | | |
| | EP-EP1085396 | 03/21/2001 | Proudler, Graeme J., et al. | | |
| | EP-EP1146715 | 10/17/2001 | Wang, Xin , et al. | | |
| | EP-EP1209563 | 05/29/2002 | England, Paul, et al. | | |
| | EP-EP1271277 | 01/02/2003 | Behar, Yaachov | | |
| | JP-JP2000076139 | 03/14/2000 | Tanno, Masaaki, et al. | | |
| | WO-WO0021238 | 04/13/2000 | Drews, Paul C. | | |
| | WO-WO0062232 | 10/19/2000 | Headrick, Samuel P., et al. | | |
| | WO-WO0127723 | 04/19/2001 | Vamvakas, Athanasia, et al. | | |
| | WO-WO0127821 | 04/19/2001 | Chen, Liqun , et al. | | |
| | WO-WO0163994 | 08/30/2001 | Van Sant, Glen, et al. | | |
| | WO-WO0175564 | 10/11/2002 | Herbert, Howard C., et al. | | |
| | WO-WO0175565 | 10/11/2001 | Ellison, Carl M. | | |
| | WO-WO0175595 | 10/11/2001 | Ellison, Carl M., et al. | | |
| | WO-WO0201794 | 01/03/2002 | Ellison, Carl | | |
| <input checked="" type="checkbox"/> | WO-WO02060121 | 08/01/2002 | Grawrock, David W. | | |
| <input checked="" type="checkbox"/> | WO-WO02086684 | 10/31/2002 | Proudler, Graeme J. | | |

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| | | First Named Inventor | S. Jeyasingh |
| | | Group Art Unit | 2009 2111 |
| | | Examiner Name | Gopal C. Ray |
| Sheet 7 of 9 | | Attorney Docket No: 42P15884 | |

| FOREIGN PATENT DOCUMENTS | | | | | |
|--------------------------|---------------------|------------------|---|---|----------------|
| Examiner Initials* | Foreign Document No | Publication Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ¹ |
| GCR | WO-WO0217555 | 02/28/2002 | Ford, Warwick | | |
| | WO-WO03058412 | 07/17/2003 | Glew, Andrew, et al. | | |
| | WO-WO9524696 | 09/14/1995 | Mooney, David M., et al. | | |
| | WO-WO9729567 | 08/14/1997 | Gressel, Carmi, et al. | | |
| | WO-WO9812620 | 03/26/1998 | Nishiuchi, Taiki, et al. | | |
| | WO-WO9834365 | 08/06/1998 | Devanbu, Premkumar T., et al. | | |
| | WO-WO9844402 | 10/08/1998 | Bramhill, Ian D., et al. | | |
| | WO-WO9905600 | 02/04/1999 | Garst, Blaine, et al. | | |
| | WO-WO9909482 | 01/15/2002 | Bausch, Jean | | |
| | WO-WO9918511 | 04/15/1999 | Edrich, David R. | | |
| ✓ | WO-WO9957863 | 11/11/1999 | Hayes Jr., Kent F., et al. | | |
| ✓ | WO-WO9965579 | 12/23/1999 | Bond, Eugene T. | | |

| OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS | | | |
|--|----------------------|---|----------------|
| Examiner Initials* | Cite No ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ¹ |
| GCR | | BERG, CLIFF, "How Do I Create a Signed Applet?", <u>Dr. Dobb's Journal</u> , (08/1997), 1-9 | |
| | | BRANDS, STEFAN, "Restrictive Blinding of Secret-Key Certificates", SPRINGER-VERLAG XP002201306, (1995), Chapter 3 | |
| | | CHIEN, ANDREW A., et al., "Safe and Protected Execution for the Morph/AMRM Reconfigurable Processor", <u>7th Annual IEEE Symposium, FCCM '99 Proceedings</u> , XP010359180, ISBN 0-7695-0375-6, Los Alamitos, CA, (4/21/1999), 209-221 | |
| | | COMPAQ COMPUTER CORPORATION, "Trusted Computing Platform Alliance (TCPA) Main Specification Version 1.1a", XP002272822, (1/25/2001), 1-321 | |
| | | COULOURIS, GEORGE, et al., "Distributed Systems, Concepts and Designs", 2nd Edition, (1994), 422-424 | |
| | | CRAWFORD, JOHN, "Architecture of the Intel 80386", <u>Proceedings of the IEEE International Conference on Computer Design: VLSI in Computers and Processors (ICCD '86)</u> , (October 6, 1986), 155-160 | |
| | | DAVIDA, GEORGE I., et al., "Defending Systems Against Viruses through Cryptographic Authentication", <u>Proceedings of the Symposium on Security and Privacy</u> , IEEE Comp. Soc. Press, ISBN 0-8186-1939-2, (May 1989), | |
| | | FABRY, R.S., "Capability-Based Addressing", Fabry, R.S., "Capability-Based Addressing," Communications of the ACM, Vol. 17, No. 7, (July 1974), 403-412 | |
| ✓ | | FRIEDER, GIDEON, "The Architecture And Operational Characteristics of the VMX Host Machine", <u>The Architecture And Operational Characteristics of the VMX Host Machine</u> , IEEE, (1982), 9-16 | |

EXAMINER Gopal C. Ray DATE CONSIDERED 10/26/05

| | | | |
|---|--|------------------------------|--------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | Complete if Known | |
| | | Application Number | 10/676,890 |
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| | | Group Art Unit | 2109 2111 |
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| OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS | | | |
|--|----------------------|--|----------------|
| Examiner Initials* | Cite No ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| GCR | | GOLDBERG, ROBERT P., "Survey of Virtual Machine Research", COMPUTER Magazine, (06/1974), 3 4-35 | |
| | | GONG, LI, et al., "Going Beyond the Sandbox: An Overview of the New Security Architecture in the Java Development Kit 1.2", Proceedings of the USENIX Symposium on Internet Technologies and Systems, Monterey, CA, (12/1997), | |
| | | GUM, P. H., "System/370 Extended Architecture: Facilities for Virtual Machines", IBM J. Research Development, Vol 27, Number 6, (11/1983), 530-544 | |
| | | HEINRICH, JOE, "MIPS R4000 Microprocessor User's Manual, Second Edition", Chapter 4 "Memory Management", (6/11/1993), 61-97 | |
| | | HP MOBILE SECURITY OVERVIEW, "HP Mobile Security Overview", (Sept. 2002), 1-10 | |
| | | IBM, "Information Display Technique for a Terminate Stay Resident Program IBM Technical Disclosure Bulletin", TDB-ACC-No. NA9112156, Vol. 34, Issue 7A, (12/1/1991), 156-158 | |
| | | IBM CORPORATION, "IBM ThinkPad T30 Notebooks", IBM Product Specification, located at www-1.ibm.com/services/files/cisco t30 spec sheet 070202.pdf, last visited June 23, 2004, (July 2, 2002), 1-6 | |
| | | INTEL, "IA-32 Intel Architecture Software Developer's Manual", Volume 3: System Programming Guide, Intel Corporation - 2003, 13-1 through 13-24 | |
| | | INTEL, "Intel386 DX Microprocessor 32-Bit CMOS Microprocessor With Integrated Memory Management", (1995), 5-56 | |
| | | INTEL CORPORATION, "IA-64 System Abstraction Layer Specification", Intel Product Specification, Order Number 245359-001, (01/2000), 1-112 | |
| | | INTEL CORPORATION, "Intel 82802AB/82802AC Firmware Hub (FWH)", Intel Product Datasheet, Document Number 290658-004, (November 2000), 1-6, 17-28 | |
| | | INTEL CORPORATION, "Intel IA-64 Architecture Software Developer's Manual", Volume 2: IA-64 System Architecture, Order Number 245318-001, (01/2000), i, ii, 5.1-5.3, 11.1-11.8, 11.23-11.26 | |
| | | KARGER, PAUL A., et al., "A VMM Security Kernel for the VAX Architecture", Proceedings of the Symposium on Research in Security and Privacy, XP010020182, ISBN 0-8186-2060-9, Bexborough, MA, (5/7/1990), 2-19 | |
| | | KASHIWAGI, KAZUHIKO, et al., "Design and Implementation of Dynamically Reconstructing System Software", Software Engineering Conference, Proceedings 1996 Asia-Pacific Seoul, South Korea 4-7 Dec. 1996, Los Alamitos, CA USA, IEEE Comput. Soc, US, ISBN 0-8186-7638-8, (1996), | |
| | | LAWTON, KEVIN, et al., "Running Multiple Operating Systems Concurrently on an IA32 PC Using Virtualization Techniques", http://www.plex86.org/research/paper.txt, (11/29/1999), 1-31 | |
| | | LUKE, JAHN, et al., "Replacement Strategy for Aging Avionics Computers", IEEE AES Systems Magazine, XP002190614, (March 1999), | |

EXAMINER

Gopal C. Ray

DATE CONSIDERED

10/26/05

| | | | |
|---|--|------------------------------|---------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | <i>Complete if Known</i> | |
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|---|----------------------|---|----------------|
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| <i>GCR</i> | | MENEZES, ALFRED J., et al., "Handbook of Applied Cryptography", <u>CRC Press LLC, USA</u> XP002201307, (1997),475 | T |
| | | MENEZES, ALFRED J., et al., "Handbook of Applied Cryptography", <u>CRC Press</u> Series on Discrete Mathematics and its Applications, Boca Raton, FL, XP002165287, ISBN 0849385237,(Oct. 1996),403-405, 506-515, 570 | T |
| | | MOTOROLA, "M68040 User's Manual", (1993), 1-1 to 8-32 | T |
| | | NANBA, S., et al., "VM/4: ACOS-4 Virtual Machine Architecture", <u>VM/4: ACOS-4 Virtual Machine Architecture IEEE</u> , (1985), 171-178 | T |
| | | RICHT, STEFAN, et al., "In-Circuit-Emulator Wird Echtzeittauglich", <u>Elektronik, Franzis Verlag GMBH, Munchen, DE</u> , Vol. 40, No. 16, XP000259620,(100-103),8-6-1991 | T |
| | | ROBIN, JOHN S., et al., "Analysis of the Pentium's Ability to Support a Secure Virtual Machine Monitor", <u>Proceedings of the 9th USENIX Security Symposium</u> , XP002247347, Denver, Colorado, (8/14/00), 1-17 | T |
| | | ROSENBLUM, M., "Virtual Platform: A Virtual Machine Monitor for Commodity PC", <u>Proceedings of the 11th Hotchips Conference</u> , (8/17/1999),185-196 | T |
| | | RSA SECURITY, "Hardware Authenticators", www.rsasecurity.com/node.asp?id=1158 , 1-2 | T |
| | | RSA SECURITY, "RSA SecurID Authenticators", www.rsasecurity.com/products/securid/datasheets/SID DS 0103.pdf , 1-2 | T |
| | | RSA SECURITY, "Software Authenticators", www.rsasecurity.com/node.asp?id=1313 , 1-2 | T |
| | | SAEZ, SERGIO, et al., "A Hardware Scheduler for Complex Real-Time Systems", <u>Proceedings of the IEEE International Symposium on Industrial Electronics</u> , XP002190615,(July 1999), 43-48 | T |
| | | SCHNEIER, BRUCE, "Applied Cryptography: Protocols, Algorithm, and Source Code in C", <u>Wiley, John & Sons, Inc.</u> , XP002939871; ISBN 0471117099, (Oct. 1995),47-52 | T |
| | | SCHNEIER, BRUCE, "Applied Cryptography: Protocols, Algorithm, and Source Code in C", <u>Wiley, John & Sons, Inc.</u> , XP002138607; ISBN 0471117099, (Oct. 1995),56-65 | T |
| | | SCHNEIER, BRUCE, "Applied Cryptography: Protocols, Algorithms, and Source Code C", <u>Wiley, John & Sons, Inc.</u> , XP0021111449; ISBN 0471117099, (Oct. 1995),169-187 | T |
| | | SCHNEIER, BRUCE, "Applied Cryptography: Protocols, Algorithms, and Source Code in C", <u>2nd Edition: Wiley, John & Sons, Inc.</u> , XP002251738; ISBN 0471128457,(Nov. 1995),28-33; 176-177; 216-217; 461-473; 518-522 | T |
| <i>✓</i> | | SHERWOOD, TIMOTHY, et al., "Patchable Instruction ROM Architecture", <u>Department of Computer Science and Engineering, University of California, San Diego, La Jolla, CA</u> , (Nov. 2001), | T |

EXAMINER *Gopal C. Ray* DATE CONSIDERED *10/26/05*